WORLD INTELLECTUAL PROPERTY ORGANIZATION



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Clearification 6:		(11) International Publication Number: WO 96/18412
A61K 38/19, 38/20, C07K 14/52, 14/525, 14/53, 14/535, 14/54, 14/545, 14/55, 14/76, 14/765, 16/46	A1	(43) International Publication Date: 20 June 1996 (20.06.96
(21) International Application Number: PCT/US9 (22) International Filing Date: 12 December 1995 (1)		DK, ES, FR. GB, GR, IE, IT, LU, MC, NI, PT SE
(30) Priority Data: 08/355,502 08/431,535 12 December 1994 (12.12.94) 28 April 1995 (28.04.95) (71) Applicant: BETH ISRAEL HOSPITAL ASSOCI	U:	
[US/US]; 330 Brookline Avenue, Boston, MA 0221. (72) Inventors: STROM, Terry, B.; 22 Kennard Road, Bro MA 02146 (US). ZHENG, Xin-Xiao; Apartment 4: Beacon Street, Brookline, MA 02146 (US). STEFLE 15 Clifton Road, Wellesley, MA 02181 (US).	5 (US) pokline	
74) Agent: CLARK, Paul, T.; Fish & Richardson P.C., 225 P. Street, Boston, MA 02110 (US).	ranklin	
94) Title: CHIMERIC CYTOKINES AND USES THEREO		

(57) Abstract

Disclosed are chimeric proteins having a cytokine fused to an enzymatically inactive polypeptide which increases the circulating half-life of the cytokine. The chimeric proteins are useful for treating, inhibiting, or preventing a variety of conditions, including septic shock, granulomatous disorders. Type I diabetes, and various cancers (e.g., multiple myeloma) in a patient.

BEST AVAILABLE COPY